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Search Results -

Terms	Documents
l4 and ((during or when) with data)	3

Database:

```
US Patents Full-Text Database
JPO Abstracts Database
EPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins
```

```
l4 and ((during or when) with data)
```

| Refine Search: | | Clear |

Search History

Today's Date: 7/27/2000

DB Name	Query	Hit Count	Set Name
USPT	l4 and ((during or when) with data)	3	L8
USPT	l6 not l5	2	L7
USPT	l4 and insert$3	5	L6
USPT	l4 and embed$4	3	L5
USPT	l1 or 5796824.pn. or 5555304.pn. or 5473687.pn. or 5414833.pn. or 5126728.pn.	8	L4
USPT	l1 and insert$3	2	L3
USPT	l1 and embed$4	0	L2
USPT	5392351.pn. or 5761651.pn. or 5832083.pn.	3	L1

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Generate Collection

Search Results - Record(s) 1 through 3 of 3 returned.

☐ 1. Document ID: US 5473687 A

L8: Entry 1 of 3   File: USPT   Dec 5, 1995

US-PAT-NO: 5473687
DOCUMENT-IDENTIFIER: US 5473687 A
TITLE: Method for retrieving secure information from a database

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image |

☐ 2. Document ID: US 5414833 A

L8: Entry 2 of 3   File: USPT   May 9, 1995

US-PAT-NO: 5414833
DOCUMENT-IDENTIFIER: US 5414833 A
TITLE: Network security system and method using a parallel finite state
machine adaptive active monitor and responder

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image |

☐ 3. Document ID: US 5126728 A

L8: Entry 3 of 3   File: USPT   Jun 30, 1992

US-PAT-NO: 5126728
DOCUMENT-IDENTIFIER: US 5126728 A
TITLE: ADP security device for labeled data

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image |

Generate Collection

Terms	Documents
l4 and ((during or when) with data)	3

Display 10 Documents, starting with Document: 3

Display Format: TI   Change Format

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Generate Collection

Search Results - Record(s) 1 through 2 of 2 returned.

☐ 1.   Document ID: US 5832083 A

L7: Entry 1 of 2   File: USPT   Nov 3, 1998

US-PAT-NO: 5832083
DOCUMENT-IDENTIFIER: US 5832083 A
TITLE: Method and device for utilizing data content

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw. Desc | Image |

☐ 2.   Document ID: US 5761651 A

L7: Entry 2 of 2   File: USPT   Jun 2, 1998

US-PAT-NO: 5761651
DOCUMENT-IDENTIFIER: US 5761651 A
TITLE: Software charging system and software data utilization permitting
device

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw. Desc | Image |

Generate Collection

Terms	Documents
l6 not l5	2

Display | 10 | Documents, starting with Document: | 2 |

Display Format: | TI | Change Format

WEST

Generate Collection

Search Results - Record(s) 1 through 3 of 3 returned.

☐ 1.   Document ID: US 5473687 A

L8: Entry 1 of 3   File: USPT   Dec 5, 1995

US-PAT-NO: 5473687
DOCUMENT-IDENTIFIER: US 5473687 A
TITLE: Method for retrieving secure information from a database

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image |

☐ 2.   Document ID: US 5414833 A

L8: Entry 2 of 3   File: USPT   May 9, 1995

US-PAT-NO: 5414833
DOCUMENT-IDENTIFIER: US 5414833 A
TITLE: Network security system and method using a parallel finite state machine adaptive active monitor and responder

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image |

☐ 3.   Document ID: US 5126728 A

L8: Entry 3 of 3   File: USPT   Jun 30, 1992

US-PAT-NO: 5126728
DOCUMENT-IDENTIFIER: US 5126728 A
TITLE: ADP security device for labeled data

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image |

Generate Collection

Terms	Documents
l4 and ((during or when) with data)	3

Display   [10] Documents, starting with Document: [3]

S (AUTHOR? OR APPROV?) AND ((COMPOUND? (W2) DOCUMENT) AND (LINK? (W3) (EMBED? (W2) O

Your SELECT statement is:
   S (AUTHOR? OR APPROV?) AND ((COMPOUND? (W2) DOCUMENT) AND (LINK? (W3)
(EMBED? (W2) OBJECT)) OR OLE) AND PD<=970610

```
              Items    File
              -----    ----
               121     9: Business & Industry(R)_Jul/1994-2003/Mar 07
                53    13: BAMP_2003/Jan W4
>>>File 15 processing for PD=   : PD=970610
>>>File 15:      started at PD=710000 stopped at PD=930107
                62    15: ABI/Inform(R)_1971-2003/Mar 08
>>>File 16 processing for PD=   : PD=970610
>>>File 16:      started at PD=19900101 stopped at PD=19950623
               210    16: Gale Group PROMT(R)_1990-2003/Mar 07
>>>File 18 processing for PD=   : PD=970610
>>>File 18:      started at PD=19860423 stopped at PD=19931110
                 2    18: Gale Group F&S Index(R)_1988-2003/Mar 06
                 2    73: EMBASE_1974-2003/Mar W1
                33    75: TGG Management Contents(R)_86-2003/Feb W4
                 4   112: UBM Industry News_1998-2003/Mar 10
                 1   122: Harvard Business Review_1971-2003/Feb
>>>File 129 processing for PD=   : PD=970610
>>>File 129:     started at PD=30126 stopped at PD=930816
                 3   129: PHIND(Archival)_1980-2003/Mar W1
>>>File 132 processing for PD=   : PD=970610
>>>File 132:     started at PD=850703 stopped at PD=911118
                 1   132: S&P's Daily News_1985-2003/Mar 07
                 3   135: NewsRx Weekly Reports_1995-2003/Feb W4
                13   147: The Kansas City Star_1995-2003/Mar 09
>>>File 148 processing for PD=   : PD=970610
>>>File 148:     started at PD=140105 stopped at PD=830728
                 7   148: Gale Group Trade & Industry DB_1976-2003/Mar 06
>>>File 149 processing for PD=   : PD=970610
>>>File 149:     started at PD=760100 stopped at PD=830406
                 1   149: TGG Health&Wellness DB(SM)_1976-2003/Feb W3
        Examined  50 files
>>>File 180 processing for PD=   : PD=970610
>>>File 180:     started at PD=19850102 stopped at PD=19921224
                10   180: Federal Register_1985-2003/Mar 07
>>>File 194 processing for PD=   : PD=970610
>>>File 194:     started at PD=820913 stopped at PD=900601
                 2   194: FBODaily_1982/Dec-2003/Nov
                54   233: Internet & Personal Comp. Abs._1981-2003/Feb
                72   256: SoftBase:Reviews,Companies&Prods._82-2003/Jan
                 3   264: DIALOG Defense Newsletters_1989-2003/Mar 07
>>>File 275 processing for PD=   : PD=970610
>>>File 275:     started at PD=140103 stopped at PD=881206
                 2   275: Gale Group Computer DB(TM)_1983-2003/Mar 06
>>>File 319 processing for PD=   : PD=970610
>>>File 319:     started at PD=19950130 stopped at PD=900825
                 1   319: Chem Bus NewsBase_1984-2003/Mar 05
                13   387: The Denver Post_1994-2003/Mar 07
                 8   392: Boston Herald_1995-2003/Mar 07
        Examined 100 files
                12   427: Fort Worth Star-Telegram_1993-2003/Mar 07
                 6   433: Charleston Newspapers_1997-2003/Mar 08
>>>File 476 processing for PD=   : PD=970610
>>>File 476:     started at PD=19820102 stopped at PD=19881015
                17   476: Financial Times Fulltext_1982-2003/Mar 10
>>>File 483 processing for PD=   : PD=970610
>>>File 483:     started at PD=861019 stopped at PD=940620
                 4   483: Newspaper Abs Daily_1986-2003/Mar 08
>>>File 484 processing for PD=   : PD=970610
```

```
>>>File 484:      started at PD=860000 stopped at PD=910622
            3    484: Periodical Abs Plustext_1986-2003/Mar W1
>>>File 485 processing for PD=   : PD=970610
>>>File 485:      started at PD=130000 stopped at PD=920202
            1    485: Accounting & Tax DB_1971-2003/Mar W1
           37    486:  Press-Telegram_1992- 2003/Mar 07
           10    487: Columbus Ledger-Enquirer_1994-2003/Mar 08
            2    488: Duluth News-Tribune_1995-2003/Mar 07
>>>File 489 processing for PD=   : PD=970610
>>>File 489:      started at PD=900806 stopped at PD=961228
            5    489: The News-Sentinel_1991-2003/Mar 07
            6    490: Tallahassee Democrat_1993- 2003/Feb 14
>>>File 492 processing for PD=   : PD=970610
>>>File 492:      started at PD=11/10/99 stopped at PD=910923
           52    492: Arizona Repub/Phoenix Gaz_19862002/Jan 06
>>>File 494 processing for PD=   : PD=970610
>>>File 494:      started at PD=2/7/2001 stopped at PD=930611
           62    494: St LouisPost-Dispatch_1988-2003/Mar 09
>>>File 498 processing for PD=   : PD=970610
>>>File 498:      started at PD=12 stopped at PD=920619
           19    498: Detroit Free Press_1987-2003/Mar 07
            2    501: Extel Intl News Cards_1995-2002/Mar W4
            1    512: ESPICOM Telecom./Power Rpts_2002/Jun
       Examined 150 files
            8    532: Bangor Daily News_1996-2003/Mar 08
            5    536: (GARY) POST-TRIBUNE_1992-1999/Dec 30
            3    538: Boca Raton News_1994- 1999/Jul 05
            4    539: Macon Telegraph_1994-2003/Mar 06
           28    541: SEC Online(TM) Annual Repts_1997/Sep W3
           75    542: SEC Online(TM) 10-K Reports_1997/Sep W3
           16    543: SEC Online(TM) 10-Q Reports_1997/Sep W3
>>>File 544 processing for PD=   : PD=970610
>>>File 544:      started at PD=860811 stopped at PD=941018
           19    544: SEC Online(TM)  Proxy Repts_1997/Sep W3
>>>File 545 processing for PD=   : PD=970610
>>>File 545:      started at PD=820101 stopped at PD=890330
            1    545: Investext(R)_1982-2003/Mar 10
>>>File 554 processing for PD=   : PD=970610
>>>File 554:      started at PD=19900101 stopped at PD=19951213
            1    554: TFSD J V & Alliances_1990-2003/Mar 10
            1    560: Spokane Spokesman-Review_1994-2003/Mar 07
            4    563: Key Note Market Res._1986-2001/Aug 03
           18    564: ICC Brit.Co.Ann.Rpts_1984-2003/Mar 09
>>>File 570 processing for PD=   : PD=970610
>>>File 570:      started at PD=19840102 stopped at PD=19910623
            2    570: Gale Group MARS(R)_1984-2003/Mar 06
            2    576: Aberdeen American News_1995-2003/Mar 04
           24    577: Roanoke Times_1992-2003/Mar 07
       Examined 200 files
            5    582: Augusta Chronicle_1996- 2003/Mar 09
            4    587: Jane`s Defense&Aerospace_2003/Mar W1
            1    589: FI Defense Market Intelligence_2003/Mar 03
>>>File 608 processing for PD=   : PD=970610
>>>File 608:      started at PD=108 stopped at PD=970111
           38    608: KR/T Bus.News._1992-2003/Mar 10
           14    619: Asia Intelligence Wire_1995-2003/Mar 09
            3    620: EIU:Viewswire_2003/Mar 08
>>>File 621 processing for PD=   : PD=970610
>>>File 621:      started at PD=00000000 stopped at PD=19910208
            5    621: Gale Group New Prod.Annou.(R)_1985-2003/Mar 06
            9    623: Business Week_1985-2003/Mar 08
>>>File 624 processing for PD=   : PD=970610
>>>File 624:      started at PD=104 stopped at PD=921201
           16    624: McGraw-Hill Publications_1985-2003/Mar 08
>>>File 625 processing for PD=   : PD=970610
```

```
>>>File 625:       started at PD=8111 stopped at PD=890425
             1    625: American Banker Publications_1981-2003/Mar 10
>>>File 626 processing for PD=   : PD=970610
>>>File 626:       started at PD=8111 stopped at PD=890601
             1    626: Bond Buyer Full Text_1981-2003/Mar 10
            34    627: EIU: Country Analysis_2003/Feb W4
             5    628: Ctry Risk & Forecasts_2003/Feb W4
             2    629: EIU:BUS. Newsletters_2003/Feb W4
>>>File 631 processing for PD=   : PD=970610
>>>File 631:       started at PD=11/14/99 stopped at PD=850519
            51    631: Boston Globe_1980-2003/Mar 09
>>>File 633 processing for PD=   : PD=970610
>>>File 633:       started at PD=830101 stopped at PD=880823
            49    633: Phil.Inquirer_1983-2003/Mar 05
>>>File 634 processing for PD=   : PD=970610
>>>File 634:       started at PD=850602 stopped at PD=901209
            21    634: San Jose Mercury_ Jun 1985-2003/Mar 08
>>>File 635 processing for PD=   : PD=970610
>>>File 635:       started at PD=1190 stopped at PD=910826
            58    635: Business Dateline(R)_1985-2003/Mar 08
>>>File 636 processing for PD=   : PD=970610
>>>File 636:       started at PD=19880101 stopped at PD=19940316
            87    636: Gale Group Newsletter DB(TM)_1987-2003/Mar 06
>>>File 637 processing for PD=   : PD=970610
>>>File 637:       started at PD=1986 stopped at PD=940608
            41    637: Journal of Commerce_1986-2003/Mar 10
>>>File 638 processing for PD=   : PD=970610
>>>File 638:       started at PD=25, stopped at PD=920701
            46    638: Newsday/New York Newsday_1987-2003/Mar 09
>>>File 640 processing for PD=   : PD=970610
>>>File 640:       started at PD=850209 stopped at PD=930621
            31    640: San Francisco Chronicle_1988-2003/Mar 09
>>>File 641 processing for PD=   : PD=970610
>>>File 641:       started at PD=890523 stopped at PD=941109
            66    641: Rocky Mountain News_Jun 1989-2003/Mar 08
>>>File 642 processing for PD=   : PD=970610
>>>File 642:       started at PD=11/04/98 stopped at PD=930610
            43    642: The Charlotte Observer_1988-2003/Mar 09
             8    643: Grand Forks Herald_1995-2003/Mar 09
             4    644: (Boulder)  Daily Camera_1995-2003/Mar 07
      Examined 250 files
            11    645: Contra Costa Papers_1995- 2003/Mar 08
           320    647: CMP  Computer Fulltext_1988-2003/Feb W3
             3    648: TV and Radio Transcripts_1997-2003/Mar W1
>>>File 649 processing for PD=   : PD=970610
>>>File 649:       started at PD=830104 stopped at PD=891231
            15    649: Gale Group Newswire ASAP(TM)_2003/Mar 06
>>>File 660 processing for PD=   : PD=970610
>>>File 660:       started at PD=901001 stopped at PD=960721
            26    660: Federal News Service_1991-2002/Jul 02
             1    667: ITAR/TASS News_1996-1999/May 26
            23    696: DIALOG Telecom. Newsletters_1995-2003/Mar 08
>>>File 701 processing for PD=   : PD=970610
>>>File 701:       started at PD=5/12/00 stopped at PD=930929
            25    701: St Paul Pioneer Pr Apr_1988-2003/Mar 07
>>>File 702 processing for PD=   : PD=970610
>>>File 702:       started at PD=801018 stopped at PD=880603
            58    702: Miami Herald_1983-2003/Mar 07
>>>File 703 processing for PD=   : PD=970610
>>>File 703:       started at PD=880531 stopped at PD=951205
            58    703: USA Today_1989-2003/Mar 07
>>>File 704 processing for PD=   : PD=970610
>>>File 704:       started at PD=890101 stopped at PD=940624
            46    704: (Portland)The Oregonian_1989-2003/Mar 08
>>>File 706 processing for PD=   : PD=970610
```

```
  >>>File 706:        started at PD=10100 stopped at PD=940611
               267    706: (New Orleans)Times Picayune_1989-2003/Mar 08
  >>>File 707 processing for PD=   : PD=970610
  >>>File 707:        started at PD=19333333 stopped at PD=940510
                36    707: The Seattle Times_1989-2003/Mar 09
  >>>File 708 processing for PD=   : PD=970610
  >>>File 708:        started at PD=6XSECTION: stopped at PD=940618
                13    708: Akron Beacon Journal_1989-2003/Mar 06
  >>>File 709 processing for PD=   : PD=970610
  >>>File 709:        started at PD=14 stopped at PD=940618
                35    709: Richmond Times-Disp._1989-2003/Mar 08
  >>>File 710 processing for PD=   : PD=970610
  >>>File 710:        started at PD=880601 stopped at PD=931205
                30    710: Times/Sun.Times(London)_Jun 1988-2003/Mar 10
  >>>File 711 processing for PD=   : PD=970610
  >>>File 711:        started at PD=880919 stopped at PD=941117
                41    711: Independent(London)_Sep 1988-2003/Mar 08
  >>>File 712 processing for PD=   : PD=970610
  >>>File 712:        started at PD=11 stopped at PD=940616
                51    712: Palm Beach Post_1989-2003/Mar 08
  >>>File 713 processing for PD=   : PD=970610
  >>>File 713:        started at PD=880410 stopped at PD=940606
               146    713: Atlanta J/Const._1989-2003/Mar 09
  >>>File 714 processing for PD=   : PD=970610
  >>>File 714:        started at PD=900903 stopped at PD=960305
                71    714: (Baltimore) The Sun_1990-2003/Mar 08
                10    715: Christian Sci.Mon._1989-2003/Mar 10
  >>>File 716 processing for PD=   : PD=970610
  >>>File 716:        started at PD=881210 stopped at PD=940622
                31    716: Daily News Of L.A._1989-2003/Mar 07
  >>>File 717 processing for PD=   : PD=970610
  >>>File 717:        started at PD=890101 stopped at PD=950715
                68    717: The Washington Times_Jun 1989-2003/Mar 07
  >>>File 718 processing for PD=   : PD=970610
  >>>File 718:        started at PD=22 stopped at PD=960411
                26    718: Pittsburgh Post-Gazette_Jun 1990-2003/Mar 10
  >>>File 719 processing for PD=   : PD=970610
  >>>File 719:        started at PD=400100 stopped at PD=910819
                16    719: (Albany) The Times Union_Mar 1986-2003/Mar 07
  >>>File 720 processing for PD=   : PD=970610
  >>>File 720:        started at PD=18 stopped at PD=930521
                 5    720: (Columbia) The State_Dec 1987-2003/Mar 09
  >>>File 721 processing for PD=   : PD=970610
  >>>File 721:        started at PD=11/11/1999 stopped at PD=950524
                66    721: Lexington Hrld.-Ldr._1990-2003/Mar 07
  >>>File 722 processing for PD=   : PD=970610
  >>>File 722:        started at PD=900327 stopped at PD=960815
                38    722: Cincinnati/Kentucky Post_1990-2003/Mar 06
  >>>File 723 processing for PD=   : PD=970610
  >>>File 723:        started at PD=4/13/98 stopped at PD=950622
                21    723: The Wichita Eagle_1990-2003/Mar 07
  >>>File 724 processing for PD=   : PD=970610
  >>>File 724:        started at PD=890101 stopped at PD=940623
                76    724: (Minneapolis)Star Tribune_1989-1996/Feb 04
       Examined 300 files
                 5    726: S.China Morn.Post_1992--2003/Mar 07
  >>>File 727 processing for PD=   : PD=970610
  >>>File 727:        started at PD=107280 stopped at PD=950526
               245    727: Canadian Newspapers_1990-2003/Mar 10
                21    728: Asia/Pac News_1994-2003/Mar W1
  >>>File 731 processing for PD=   : PD=970610
  >>>File 731:        started at PD=65BRUARY stopped at PD=890821
                13    731: Philad.Dly.News_1983- 2003/Mar 05
  >>>File 732 processing for PD=   : PD=970610
  >>>File 732:        started at PD=900611 stopped at PD=960213
```

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              33    732: San Francisco Exam._1990- 2000/Nov 21
>>>File 733 processing for PD=   : PD=970610
>>>File 733:      started at PD=15 stopped at PD=950617
              25    733: The Buffalo News_1990- 2003/Mar 08
>>>File 734 processing for PD=   : PD=970610
>>>File 734:      started at PD=4 2002 stopped at PD=960316
              38    734: Dayton Daily News_Oct 1990- 2003/Mar 07
>>>File 735 processing for PD=   : PD=970610
>>>File 735:      started at PD=25UARY stopped at PD=950407
              75    735: St. Petersburg Times_1989- 2000/Nov 01
>>>File 736 processing for PD=   : PD=970610
>>>File 736:      started at PD=891019 stopped at PD=950620
              23    736: Seattle Post-Int._1990-2003/Mar 08
>>>File 738 processing for PD=   : PD=970610
>>>File 738:      started at PD=900101 stopped at PD=950627
              18    738: (Allentown) The Morning Call_1990-2003/Mar 08
>>>File 739 processing for PD=   : PD=970610
>>>File 739:      started at PD=900101 stopped at PD=950628
              35    739: The Fresno Bee_1990-2003/Mar 07
>>>File 740 processing for PD=   : PD=970610
>>>File 740:      started at PD=900627 stopped at PD=951217
             517    740: (Memphis)Comm.Appeal_1990-2003/Mar 08
>>>File 741 processing for PD=   : PD=970610
>>>File 741:      started at PD=11/30/02 stopped at PD=960217
              39    741: (Norfolk)Led./Pil._1990-2003/Mar 08
>>>File 742 processing for PD=   : PD=970610
>>>File 742:      started at PD=11 stopped at PD=951022
              25    742: (Madison)Cap.Tim/Wi.St.J_1990-2003/Mar 08
>>>File 743 processing for PD=   : PD=970610
>>>File 743:      started at PD=19891300 stopped at PD=940730
              29    743: (New Jersey)The Record_1989-2003/Mar 07
              72    744: (Biloxi) Sun Herald_1995-2003/Mar 02
               7    748: Asia/Pac Bus. Jrnls_1994-2003/Mar 06
               1    754: IPO Maven_1994-2000/Jul
              20    755: New Zealand Newspapers_1995-2003/Mar 09
               1    761: Datamonitor Market Res._1992-2003/Mar
               8    765: Frost & Sullivan_1992-1999/Apr
               2    766: (R)Kalorama Info Market Res._1993-2000/Aug
              22    781: ProQuest Newsstand_1998-2003/Mar 07
               1    788: (Myrtle Beach) The Sun News_1996-2003/Mar 05
>>>File 810 processing for PD=   : PD=970610
>>>File 810:      started at PD=850116 stopped at PD=911127
              17    810: Business Wire_1986-1999/Feb 28
>>>File 813 processing for PD=   : PD=970610
>>>File 813:      started at PD=100000 stopped at PD=900920
               9    813: PR Newswire_1987-1999/Apr 30
      Examined 350 files
               8    816: Canada NewsWire_1996-1999/Jun 24
               2    818: Xinhua News_1996-1999/May 26
               7    861: UPI News_1996-1999/May 27
              18    929: Albuquerque Newspapers_1995-2003/Mar 09
              10    980: Sarasota Herald-Tribune_1996-2003/Mar 09


   143 files have one or more items; file list includes 357 files.
   One or more terms were invalid in 182 files.


   ?
```

WEST

End of Result Set

☐ | Generate Collection |

L8: Entry 3 of 3   File: USPT   Jun 30, 1992

DOCUMENT-IDENTIFIER: US 5126728 A
TITLE: ADP security device for labeled data

BSPR:
The labeling method herein described can also be an effective security tool
for software developers working within a computing environment where several
levels of labeled data are handled. Engineers developing software for these
multi-level systems are required to design tests within their software that
will adequately test the data as it is processed, and verify that the data
matches all access rights in effect at that point in time. This can be a
difficult problem for a programmer, since the data can not usually be analyzed
by its content to resolve how it should be protected. The program data, when
retrieved, are provided with a label for the entire contents of the package
that the program must accept as accurate. It is during the attempt to retrieve
data that most access restriction schemes are applied. After the delivery
process starts, there is no way for a process to verify that the following
blocks of data being delivered are in fact in agreement with the original
label. If some retrieval failure occurs the program can not evaluate the data
to determine if the label/object integrity is still intact. With no way of
determining the security level of the data itself, a non-valid label can cause
security failures within a trusted process. If the given label for an object
is stored in a file header, or some other location outside the real data, the
options available to a programmer to verify that the label is correct for a
given object are limited. The ratio of the amount of data protected per label
is indicative of the level of risk of a label compare failure. Vastly
increasing the labeling within a system would multiply the opportunity to
apply security procedures and reduce the level of loss for a single
label/object compare failure. The invention described herein vastly increases
the labeling within a system and provides a means of limiting losses due to a
label/object failure to 79 characters or less. The system described herein may
be an adjunct to exiting security methods with little or no re-engineering of
the system.

WEST

End of Result Set

☐ | Generate Collection |

L5: Entry 3 of 3   File: USPT   Jun 30, 1992

US-PAT-NO: 5126728
DOCUMENT-IDENTIFIER: US 5126728 A

TITLE: ADP security device for labeled data

DATE-ISSUED: June 30, 1992

INVENTOR-INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY
Hall; Donald R.	Arlington	VA	22201	N/A

APPL-NO: 7/ 362521
DATE FILED: June 7, 1989

INT-CL: [5] H04K 9/00, G06F 12/14, G06F 7/02
US-CL-ISSUED: 340/825.3; 380/4, 364/DIG.2, 364/943.1, 364/918.7
US-CL-CURRENT: 340/825.3; 713/153, 713/160, 713/201
FIELD-OF-SEARCH: 364/200, 364/900, 380/4, 380/25, 340/825.3, 340/825.31,
340/825.34

REF-CITED:

U.S. PATENT DOCUMENTS

| Search Selected | | Search ALL |

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	3508205	April 1970	Kubie	364/200
☐	3800288	March 1974	Russell et al.	364/200
☐	3806882	April 1974	Clarke	364/200
☐	3872444	March 1975	Cleveland et al.	364/200
☐	3911404	October 1975	O'Neill, Jr.	364/900
☐	3921148	November 1975	Ophir et al.	364/900
☐	3956739	May 1976	Ophir et al.	364/900
☐	3971000	July 1976	Cromwell	364/200
☐	4047248	September 1977	Lyman et al.	364/900
☐	4057849	November 1977	Ying et al.	364/900
☐	4128874	December 1978	Pertl et al.	364/200
☐	4241415	December 1980	Masaki et al.	364/900
☐	4244049	January 1981	York et al.	364/900
☐	4319336	March 1982	Anderson et al.	364/900
☐	4354252	October 1982	Lamb et al.	364/900
☐	4434471	February 1984	Hildinger	364/900
☐	4456969	June 1984	Herzik et al.	364/900
☐	4459049	July 1984	Howell et al.	364/900
☐	4462701	July 1984	Czyszczewski et al.	364/900
☐	4463444	July 1984	Daniels et al.	364/900
☐	4464730	August 1984	Lawrence et al.	364/900
☐	4484306	November 1984	Kulczyckyj et al.	364/900
☐	4574363	March 1986	Carlgren et al.	364/900
☐	4628479	December 1986	Borg et al.	364/900
☐	4707801	November 1987	Barnes et al.	364/900
☐	4864494	September 1989	Kobus, Jr.	364/200

ART-UNIT: 237
PRIMARY-EXAMINER: Shaw; Gareth D.
ASSISTANT-EXAMINER: Fagan; Matthew C.
ATTY-AGENT-FIRM: Fisher, Christen & Sabol

ABSTRACT:

A data processing security device, attached to computing equipment, inserts labels into a data stream that indicate security controls for the data. The security device may also be configured to detect security labels within a data stream and inhibit the flow of data. It also may replace data within a data stream if it detects labeled fields which indicate that privacy should be imposed.

24 Claims, 6 Drawing figures

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End of Result Set

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L5: Entry 3 of 3   File: USPT   Jun 30, 1992

DOCUMENT-IDENTIFIER: US 5126728 A
TITLE: ADP security device for labeled data

DEPR:
The preferred application of the invention consists of embedding labels within
records or documents relative to the position of new line characters within
character data, the labels representing the level of protection assigned to
the data. This labeling technique assures that the data is labeled at least
once per line within the body of the data.

DEPR:
Several embodiments of the control device are possible and include various
circuitry for implementing the detection. A simple version of the device may
use a configuration of logic gates that are designed to detect a limited set
of protection codes and open the line when found. Another embodiment uses an
embedded micro controller that executes software instructions retrieved from
its internal memory. The micro-controller is programmed to provide various
levels of protection and can receive an initialization of the protection codes
to be put in effect for a session at the session start up time. It is also
possible to include most of the component parts of this invention in an
Application Specific Integrated Circuit that will reduce the size and
component count of this device further. Customizing an integrated circuit to a
specialized application, such as this device, is a possibility but requires a
large investment and market research.

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L5: Entry 1 of 3   File: USPT   Dec 5, 1995

US-PAT-NO: <u>5473687</u>
DOCUMENT-IDENTIFIER: US 5473687 A

TITLE: Method for retrieving secure information from a database

DATE-ISSUED: December 5, 1995

INVENTOR-INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY
Lipscomb; Thomas H.	New York	NY	N/A	N/A
Nagel; Robert H.	New York	NY	N/A	N/A

ASSIGNEE INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
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APPL-NO: 8/ 174741
DATE FILED: December 29, 1993

INT-CL: [6] H04L 9/00
US-CL-ISSUED: 380/4
US-CL-CURRENT: <u>705/51</u>
FIELD-OF-SEARCH: 380/4, 380/46

REF-CITED:

U.S. PATENT DOCUMENTS

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	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	<u>4994008</u>	July 1990	Piosenka et al.	380/46
☐	<u>5195136</u>	March 1993	Hardy et al.	380/46

ART-UNIT: 222
PRIMARY-EXAMINER: Cangialosi; Salvatore
ATTY-AGENT-FIRM: Milde, Jr.; Karl F.

ABSTRACT:

A system for retrieving a packet of informational digital data which is stored
on a secure storage medium. The informational data packet (IDP) is read from
the secure storage medium and then expanded in length to form a sequence of
digital data which is so large as to be inconvenient for permanent storage.

18 Claims, 6 Drawing figures

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L8: Entry 1 of 3   File: USPT   Dec 5, 1995

DOCUMENT-IDENTIFIER: US 5473687 A
TITLE: Method for retrieving secure information from a database

CLPR:
2. The method defined in claim 1, wherein said first sequence of digital data
is embedded in a different way during each successive execution of said
expanding step.

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L5: Entry 1 of 3   File: USPT   Dec 5, 1995

DOCUMENT-IDENTIFIER: US 5473687 A
TITLE: Method for retrieving secure information from a database

DEPR:
According to a preferred feature of the present invention, an item of data is
expanded by embedding it into a series of pseudorandom digital data of
suitable, expanded length so that the resulting sequence of digital data
(exploded data item) cannot be compressed using a data compressing algorithm.
This immunity from data compression relies on the fact that it is impossible
to predict the value of any given bit in the final sequence of digital data,
given the other bits in the sequence.

DEPR:
Finally, to further prevent an unauthorized user from extracting the
meaningful data from the pseudorandom data, the data item is preferably
embedded in the series of pseudorandom data a different way each time the data
item is expanded. Thus, while the series of pseudorandom digital data may be
the same each time the same item of data is expanded, the final sequence of
digital data--i.e. the exploded item of data--will be different each time.

CLPR:
2. The method defined in claim 1, wherein said first sequence of digital data
is embedded in a different way during each successive execution of said
expanding step.

CLPR:
3. The method defined in claim 1, wherein said embedding step includes the
steps of obtaining a key and a random number generating algorithm which
requires a key, and thereafter executing said random number generating
algorithm with said key to produce said pseudorandom digital data.

CLPR:
13. The method defined in claim 1, wherein said embedding step is unique each
time said packet is expanded.

CLPV:
(c) expanding the first sequence of digital data into a second sequence of
digital data which is so large as to be inconvenient for permanent storage,
said expanding step including the step of embedding said first sequence of
digital data in a series of pseudorandom digital data which is substantially
equal to 1-5 megabytes or more in length, such that said second sequence is
substantially equal to 1.5 megabytes or more in length and is not
compressible;